

AMENDMENTS TO THE CLAIMS

Applicant amends claims 1, 11, 23, 33, 45, and 46 as detailed below. This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A computer-implemented method for automatically configuring a plurality of translation codes, the method performed by a server which includes a memory for storing client-translation code association information for associating, ~~for-automatically configuring a plurality of translation codes~~, each of the plurality of translation codes ~~being associated~~ with one or more of ~~[[the]]~~ a plurality of clients, the method comprising:
 - storing, in the memory, the client-translation code association information including first information that indicates an association between associating a first translation code with a ~~specifie~~ and one client of the plurality of clients, the first translation code used for data translation to a first data format required by the ~~specifie~~ one client;
 - translating, using the first translation code, data within the server into the first data format;
 - transmitting the translated data to the ~~specifie~~ one client;
 - automatically detecting a change during an exchange of information with the ~~specifie~~ one client, the change indicating that the ~~specifie~~ one client requires a second data format different from the first data format;
 - receiving information related to the second data format from the ~~specifie~~ one client in a data object definition message; ~~[[and]]~~
 - automatically generating a second translation code for data translation to the second data format; and

replacing, in the client-translation code association information stored in the memory, the first information with a second information that indicates an association between the first translation code with the second translation code and to be associated with the specific one client.

2. (Previously presented) The computer-implemented method of claim 1, wherein the data object definition message is automatically transmitted from the client to the server upon detecting the change.

3. (Previously presented) The computer-implemented method of claim 2, wherein the second translation code is generated within a translation code generator upon receipt of the data object definition message.

4. (Original) The computer-implemented method of claim 2, wherein the translated data is transmitted from the server to the client using a standard object description language.

5. (Original) The computer-implemented method of claim 2, wherein the data object definition message is transmitted from the client to the server using a standard object description language.

6. (Original) The computer-implemented method of claim 2, wherein the data format required by the client is extracted and translated from the stored data by the translation code prior to sending the translated data from the server to the client.

7. (Original) The computer-implemented method of claim 2, wherein the translation code uses XSL for translating the data into said the data format required by the client.

8. (Original) The computer-implemented method of claim 2, wherein the server provides a data object definition message format.

9. (Original) The computer-implemented method of claim 2, further comprising the step of managing access to the server by the data object definition messages via an authorization management procedure.

10. (Original) The computer-implemented method of claim 2, further comprising the step of managing data formats of different clients via a version management procedure.

11. (Currently Amended) The computer-implemented method of claim 1, wherein, upon automatically detecting the change, the server requests the data object definition message from the ~~specifie~~ one client.

12. (Canceled)

13. (Previously Presented) The computer-implemented method of claim 1, wherein the change in the data format is detected by version identification.

14. (Canceled)

15. (Previously presented) The computer-implemented method of claim 11, wherein the second translation code is generated within a translation code generator upon reception of the data object definition message.

16. (Original) The computer-implemented method of claim 11, wherein the translated data is transmitted from the server to the client using a standard object description language.

17. (Original) The computer-implemented method of claim 11, wherein the data object definition message is transmitted from the client to the server using a standard object description language.

18. (Original) The computer-implemented method of claim 11, wherein the data required by the client is extracted and translated from the stored data by the translation code prior to sending the translated data from the server to the client.

19. (Original) The computer-implemented method of claim 11, wherein the translation code uses XSL for translating the data into the data format used by the client.

20. (Original) The computer-implemented method of claim 11, wherein the server provides a data object definition message format.

21. (Original) The computer-implemented method of claim 11, further comprising the step of managing access to the server by the data object definition messages via an authorization management procedure.

22. (Original) The computer-implemented method of claim 11, further comprising the step of managing data formats of different clients via a version management procedure.

23. (Currently Amended) A computer readable medium [[media]] embodying a program of instructions that, when executed by a server computer, cause the server computer to perform a method for automatically configuring a plurality of translation codes, ~~each of the plurality of translation codes being associated with one of the plurality of clients~~, the method comprising:

storing, in a memory of the server computer, client-translation code association
information including first information that indicates an association between associating a first translation code ~~and with a specific one~~ client of ~~[[the]]~~ a plurality of clients, the first translation code used for data translation to a first data format required by the ~~specific one~~ client;

translating data within the server into the first data format using the first translation code;

transmitting the translated data to the ~~specific one~~ client;

automatically detecting a change during an exchange of information with the ~~specific one~~ client, the change indicating that the ~~specific one~~ client requires a second data format different from the first data format;

receiving information related to the second data format from the ~~specific one~~ client in a data object definition message; ~~[[and]]~~

automatically generating a second translation code for data translation to the second data format; and

replacing, in the client-translation code association information stored in the memory of
the server computer, the first information with a second information that indicates an association
between ~~the first translation code with~~ the second translation code and ~~to be associated with the~~
~~specific one~~ client.

24. (Previously presented) The computer readable media of claim 23, wherein the program further comprises instructions operable to cause the computer to automatically transmit the data object definition message from the client to the server upon detecting the change.

25. (Previously presented) The computer readable media of claim 24, wherein the program further comprises instructions operable to cause the computer to generate the second

translation code within a translation code generator upon reception of the data object definition message.

26. (Previously Presented) The computer readable media of claim 24, wherein the program further comprises instructions operable to cause the computer to transmit the translated data from the server to the client using a standard object description language.

27. (Previously Presented) The computer readable media of claim 24, wherein the program further comprises instructions operable to cause the computer to transmit the data object definition message from the client to the server using a standard object description language.

28. (Previously Presented) The computer readable media of claim 24, wherein the program further comprises instructions operable to cause the computer to extract and translate the data required by the client from the stored data prior to sending the translated data from the server to the client.

29. (Previously Presented) The computer readable media of claim 24, wherein the program further comprises instructions operable to cause the computer to use XSL in the translation code for translating the data into the data format used by the client.

30. (Previously Presented) The computer readable media of claim 24, wherein the program further comprises instructions operable to cause the computer to provide, via the server, a data object definition message format.

31. (Previously Presented) The computer readable media of claim 24, wherein the program further comprises instructions operable to cause the computer to manage, via an authorization management process, access to the server by the data object definition messages.

32. (Previously Presented) The computer readable media of claim 24, wherein the program further comprises instructions operable to cause the computer to manage, via a version management procedure, data formats of different clients.

33. (Currently Amended) The computer readable media of claim 23, wherein the program further comprises instructions operable to cause the computer, upon automatically detecting the change, to initiate a server request for the data object definition message from the specific one client.

34. (Canceled)

35. (Previously presented) The computer readable media of claim [[34]] 23, wherein the program further comprises instructions operable to cause the computer to detect the changes in the data format by use of a version identification procedure.

36. (Canceled)

37. (Previously presented) The computer readable media of claim 33, wherein the program further comprises instructions operable to cause the computer to generate [[adapt]] the second translation code within a translation code generator upon reception of the data object definition message.

38. (Previously Presented) The computer readable media of claim 33, wherein the program further comprises instructions operable to cause the computer to transmit the translated data from the server to the client using a standard object description language.

39. (Previously Presented) The computer readable media of claim 33, wherein the program further comprises instructions operable to cause the computer to transmit the data object definition message from the client to the server using a standard object description language.

40. (Previously Presented) The computer readable media of claim 33, wherein the program further comprises instructions operable to cause the computer to extract and translate the data required by the client from the stored data, via a translation code procedure, prior to sending the translated data from the server to the client.

41. (Previously Presented) The computer readable media of claim 33, wherein the program further comprises instructions operable to cause the computer to use XSL in the translation code for translating the data into the data format used by the client.

42. (Previously Presented) The computer readable media of claim 33, wherein the program further comprising instructions operable to cause the computer to provide, via the server, a data object definition message format.

43. (Previously Presented) The computer readable media of claim 33, wherein the program further comprises instructions operable to cause the computer to manage, via an authorization management procedure, access to the server by the data object definition messages.

44. (Previously Presented) The computer readable media of claim 33, wherein the program further comprises instructions operable to cause the computer to manage, via a version management procedure, data formats of different clients.

45. (Currently Amended) A server computer system for automatically configuring a plurality of translation codes, ~~each of the plurality of translation codes being associated with one of the plurality of clients~~, the system comprising:

a memory for storing client-translation code association information for associating each of the plurality of translation codes with one or more of a plurality of clients;

means for storing, in the client-translation code association information stored in the memory, first information that indicates an association between associating a first translation code ~~with a specific~~ and one client of the plurality of clients, the first translation code used for data translation to a first data format required by the ~~specific one~~ one client;

a translating means for translating, using the first translation code, data within the server into the first data format;

means for transmitting the translated data to the ~~specific~~ one client;

a detecting means for automatically detecting a change during an exchange of information data associated with the ~~specific one~~ one client, the change indicating that the ~~specific one~~ one client requires a second data format different from the first data format; and

a code generator for generating a second translation code for data translation to the second data format and replacing , in the client-translation code association information stored in the memory, the first information with a second information that indicates an association between ~~the first translation code with~~ the second translation code and to be associated with the ~~specific one~~ one client.

46. (Currently Amended) The system of claim 45, wherein the translating means extracts information required by the ~~specific one~~ one client from the data prior to sending the translated data to the ~~specific one~~ one client.

47. (Previously Presented) The system of claim 45, further comprising a managing procedure that manages the data format of the data object definition message.

48. (Previously Presented) The system of claim 45, further comprising an access control procedure that controls access to the server by the data object definition messages.

49. (Canceled).